



Norman H. Bangerter  
Governor  
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Executive Director  
Robert L. Morgan  
State Engineer

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

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**October 25, 1991**

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MINERALS PROGRAM  
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**RECEIVED**

OCT 30 1991

DIVISION OF  
OIL GAS & MINING

**Mr. Ken A. Kluksdale, Mine Manager  
Tenneco Minerals  
P.O. Box 2650  
St. George, UT 84770**

**Re: Tenneco Quail Springs Fill Dam and Tenneco Sediment Pond Upgrade**

**Dear Mr. Kluksdale:**

**As you are aware, Richard Hall of our Dam Safety Section undertook an inspection of the dams on your site on October 10, 1991. Based on his observations and a review of the available files, plans and specifications, we have the following comments:**

### **Quail Springs Fill Dam**

**A final inspection of this dam was undertaken. Based on the field examination, it appears the project is satisfactory; this letter will serve as official notice of our acceptance of the completed project.**

### **Sediment Pond Upgrade**

**An inspection of the Sediment Dam was undertaken to review the historical problem of piping and review the proposal for upgrading submitted to this office by D. Wayne Hedberg of Oil, Gas & Mining on October 9, 1991. This letter will serve as official notice of our approval of the upgrading, conditional on the following items, which we discussed in the field.**

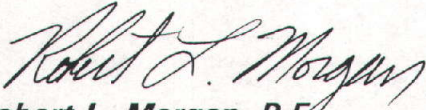
- 1. A filter fabric should be placed under the clay blanket in the lower portion of the pond where the larger rock in the fill tended to segregate.**
- 2. The crest should be made level to avoid ponding and concentration of erosive flows.**



*Ken A. Kluksdale*  
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*October 25, 1991*

*If you have further questions or comments, please feel free to contact Richard Hall of our Dam Safety Section.*

*Sincerely,*

A handwritten signature in cursive script, reading "Robert L. Morgan".

*Robert L. Morgan, P.E.*  
*State Engineer*

*RLM:rbh:cp*

*cc: Gerald Stoker, Cedar Regional Engineer*  
*D. Wayne Hedberg, Oil, Gas & Mining*